

JOB TITLE: Maintenance Mechanic, Wastewater Treatment Facility

Classification: Non-Exempt, Group III, Technical Support

Job Description: Performs skilled tasks in repairing and maintaining equipment and controls at the municipal wastewater treatment facility and performs other work to operate and maintain the wastewater treatment facility, collection system, and municipal water pumping station.

Accountability: Reports to Chief Operator, Wastewater Treatment Facility.

Equipment Used: Equipment utilized but not limited to includes: hand and power tools, light trucks, dump truck, compost screener, front end loader, analysis and testing equipment, lawn mowers and trimmers, chain saw, snow blower, hydraulic snow plow, portable pumps and generators, lathe, drill press, welder, copy machine, band-saw, pipe threader, cement mixer, jack hammer, mechanical sewer rodder, high pressure flusher, pressure washer.

Environment: Inside: 50% Outside 50%

Duties and Responsibilities: (Except as specifically noted, the following functions are considered essential to this position.)

Performs major and minor maintenance of pumps, HVAC equipment, clarifiers, dewatering equipment, blowers, chemical feed systems, conveying systems, motors, motor vehicles, heavy equipment, portable pumps, generators and other equipment.

Performs troubleshooting and repairs to electrical and electronic systems.

Must be familiar with electronic and electrical control systems up to 480 volts.

Detects and reports safety deficiencies, faulty equipment and breakdowns following established procedures. Takes necessary action to repair and/or assist others as required.

Maintains neat, clean and orderly work areas and equipment used for repairs.

Assists with modifications to facility and/or equipment as required.

Fabricates tools, or equipment components as required.

Maintains accurate working logs of the operation or maintenance of assigned equipment.

Performs maintenance and repairs to the wastewater collection system.

Performs operational duties within the wastewater treatment process and solids handling facilities as required.

Performs custodial maintenance and general upkeep of facility, equipment, buildings and grounds as required.

Knowledge of the standard practices, methods, tools and materials of electrical, electronic, mechanical and building maintenance.

Thorough knowledge of the equipment operation and maintenance that comprise the wastewater facility, collection system and the municipal water pumping station.

Must possess a strong mechanical aptitude and have the ability to anticipate problems and find solutions.

Ability to detect faulty operational characteristics in equipment or processes and to institute remedial action.

Knowledge of welding, machine tool processes and the building maintenance trades.

Ability to follow oral and written instructions.

Working knowledge of the safety hazards associated with water and wastewater facilities and the safety precautions and procedures to be followed.

Must have manual dexterity and be able to perform laborious work at times. Must possess sufficient physical strength, coordination, and alertness to permit safe and efficient performance on the job.

Must understand the basic wastewater treatment principles employed at the facility with the ability to solve basic wastewater mathematic problems.

Ability to read and understand blueprints, drawings, and plans of the facilities and equipment.

Ability to follow operation and maintenance procedures.

Ability to operate Supervisory Control and Data Acquisition system.

Must be dependable, responsible, conscientious and strive to continually improve skills and knowledge relating to the wastewater field.

Possess interpersonal skills for effective work environment.

Ability to work with minimal supervision.

Exercise independent judgment.

Performs other duties as assigned.

PRIMARY PHYSICAL REQUIREMENTS

LIFT up to 10 lbs: Frequently required
 LIFT 11 to 25 lbs: Frequently required
 LIFT 26 to 50 lbs: Frequently required
 LIFT over 50 lbs: Frequently required

CARRY up to 10 lbs: Frequently required
 CARRY 11 to 25 lbs: Frequently required
 CARRY 26 to 50 lbs: Frequently required
 CARRY over 50 lbs: Occasionally required

REACH above shoulder height: Freq. req.
 REACH at shoulder height: Frequently req.
 REACH below shoulder height: Freq. req.
 PUSH/PULL: Occasionally required

HAND MANIPULATION

Grasping: Frequently required
 Handling: Frequently required
 Torquing: Frequently required
 Fingering: Frequently required

OTHER PHYSICAL CONSIDERATIONS

Twisting: Frequently required
 Bending: Frequently required
 Crawling: Occasionally required
 Squatting: Occasionally required
 Kneeling: Occasionally required
 Crouching: Occasionally required
 Climbing: Frequently required
 Balancing: Occasionally required

WORK SURFACE(S)

Office desk and chair, concrete and tiled floors, asphalt surfaces, metal grating, steel catwalks.

DURING AN 8 HOUR DAY,
EMPLOYEE IS REQUIRED TO:

	Consecutive Hours	Total Hours
Sit	1	1
Stand	2	4
Walk	1	3

Additional information:

Work is performed inside and out of doors in an environment which includes exposure to physical elements or a number of disagreeable working conditions.

The physical demands of the duties described here are representative of those that must be met by an employee to successfully perform the essential functions of this position. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Cognitive and Sensory Requirements:

Talking: Necessary for communicating with others.

Hearing: Necessary for receiving information and instructions; audible alarm recognition.

Sight: Necessary to do job effectively and correctly; warning light recognition.

Tasting & Smelling: Necessary to detect smoke and fumes.

Specific Vocational Preparation Requirements:

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|---|---|
| <input type="checkbox"/> SHORT DURATION ONLY. | <input type="checkbox"/> 181 DAYS TO ONE YEAR |
| <input type="checkbox"/> ANY BEYOND SHORT DEMON-
STRATION UP TO AND INCLUDING
30 DAYS | <input type="checkbox"/> 1 TO 2 YEARS
<input checked="" type="checkbox"/> 2 TO 4 YEARS |
| <input type="checkbox"/> 30 - 90 DAYS | <input type="checkbox"/> 4 TO 10 YEARS |
| <input type="checkbox"/> 91 - 180 DAYS | <input type="checkbox"/> OVER 10 |

Licensure/Certification Requirements: Valid N.H. Class B Driver's License, N.H. Grade I Water Treatment certification, wastewater certification as may be required by the State of New Hampshire, or ability to obtain each within six (6) months of employment.

Other Training, Skills and Experience Requirements: High school diploma or equivalent. Three years experience in the maintenance of machinery, electrical and electronic systems.

Summary of Occupational Exposures:

Exposed but not limited to the following: acids & bases, compost (dust & fungus), cleaning compounds, confined spaces, electrical shock, elevated noise levels, hydrogen sulfide, polymer, potassium permanganate, raw sewage, septage, screenings, sodium hydroxide, sodium hypochlorite, sludge (primary and secondary), ultraviolet light, computer terminal, copy machine, zinc orthophosphate, cell phone.

Other Considerations and Requirements:

May be required to work nights, weekends, holidays and will be on-call for a seven-day periodic rotation.

Must have telephone.